

June

2005

WIM Flux Additive

Safety Data Sheet

WIMinc.

SECTION I: Product and Company Information

WIM Flux Additive

Manufacturer	WIM Inc. Box 360667 Cleveland OH 44136-0667
Emergency Telephone	440 846 8874
Chemical Name	Proprietary mixture
Chemical Family	Zinc Ammonium Chloride Flux Additive
Chemical Formula	Mixture
Product Use	Additive for inorganic acid; Class inhibiting

SECTION II: Hazardous Ingredients

The composition of this mixture is proprietary. In the event of a medical emergency, compositional information will be provided to a physician. There is no SARA Title III 313 chemical in the formulation.

Chemical	CAS#	OSHA-PEL	ACGIH-TLV	313 Percent
Modified Alkylamines	None	None	None	
Modified Oil	None	None	None	
Sodium Salt	None	None	None	
Sodium Salt	None	None	None	
Water	7732-18-5	None	None	No

No component was found to be carcinogenic in NTP, IARC, or OSHA.

SECTION III: Physical Data

WIM Flux Additive

Boiling Point	100 – 103 C
Evaporation Rate	NA
Sp G.	1.02

Vapor Density (Air = 1)	NA
Solubility (in Water)	100% soluble. Freezes around 0 C (32 F) Returns to solution upon warming.
pH	7.4 – 7.7
Viscosity	ND
Color	Clear to light amber, may darken with age.

SECTION IV: Fire and Explosion

WIM Flux Additive

Flash Point (Method)	Not Flammable
Auto Ignition Temperature	NA
Extinguishing Media	CO ²
Special Fire Fighting Procedures	Wear self-contained breathing apparatus with full face piece and protective clothing when fighting fire.
Unusual Fire and Explosion Hazards	None known
NFPA Hazard Codes	Health 1, Fire 0, Reactivity 0

SECTION V: Health

WIM Flux Additive

Signs and Symptoms of Exposure	High concentrations are irritating to eyes and respiratory tract.
Inhalation Acute	May cause irritation and burns and respiratory damage.
Chronic	May cause skin burns
Eye Contact	Liquids and mists may irritate eyes
Inhalation	Mists irritating to nose, throat and lungs
Ingestion	Moderately toxic. Corrosive to mouth, esophagus and stomach.
Medical Conditions Aggravated by Overexposure	None found

Chemical Listed as Carcinogen or
Potential Carcinogen

National Toxic Program IARC: No

Exposure Limits

OSHA PEL ACGIH ACGIH TLV

EMERGENCY and FIRST AID PROCEDURES

- 1. INHALATION:** Use proper respiratory protection. Remove to fresh air. Aid in breathing, if necessary obtain medical aid.
- 2. EYES:** Flush eyes with copious amounts of water for 15 minutes. Lift upper and lower eyelids occasionally. Contact physician immediately.
- 3. SKIN:** Wash with soap and water. Remove contaminated clothing. Consult a physician if irritation persists.
- 4. INGESTION:** If person is conscious: If conscious give large quantities of water then induce vomiting and get medical attention..

DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. WHEN IN DOUBT CONSULT A PHYSICIAN!

Additional Measures: These products are used in highly corrosive acids of various strengths. Determine if the contact is before or after the product has been added to the acid and treat the most appropriate condition. The recommended dose rate is 0.005 to 0.003 of the bath volume.

IF IN DOUBT CONSULT A PHYSICIAN!

SECTION VI: Reactivity Data

Stability

This chemical IS STABLE and hazardous polymerization WILL NOT occur.

SECTION VII: Spill Leak Procedures

Collect spilt liquid into a suitable container for chemical waste disposal and flush the residual directly into a waste treatment or chemical sewer, following ALL applicable regulations.

Accidental Spills into Unauthorized Chemical Solutions:

It is impossible to foresee the multitude of possible chemical combinations which could result through misuse of these additives. When these products are not used as intended, the bath to which these chemicals have been added should be considered contaminated, and disposed and treated as a toxic waste, regardless of how innocent the combination may appear to the user.

SECTION VIII: Control Measures

Special Equipment to be Worn and Used While Handling These Products:

Rubber gloves, face shield or goggles, rubber apron, boots with built-in toe caps

SAFETY NOTE:

WIM Inc. requires that safety related clothing and protective equipment be worn and used while handling this product to minimize any accident that may occur while the product is being used. These products are used in and around chemical vats containing corrosive and hot liquids, overhead cranes, moving trucks and other hazardous stationary and moving equipment. **THUS CARE MUST BE TAKEN AT ALL TIMES TO OBSERVE ALL RELATED SAFETY MEASURES AGAINST ALL HAZARDS, EVEN THOUGH THESE PRODUCTS MAY APPEAR TO THE USER TO HAVE LIMITED OR NO HAZARDS!**

SARA Hazard Class

This product does not contain section 313 chemical reportable ingredients.

SARA Hazard Class	This product does not contain Section 313 chemical reportable ingredients.
DOT Proper Shipping Name	Cleaning compound, NOI, liquid
Label DOT Ident.	No NOI
HMIS Hazard Codes	Health 1, Fire 0, Reactivity 0

SECTION IX: State and Federal Regulations

Environmental Information: Eliminate sources of ignition. Prevent any additional discharge of material. Keep all but clean-up crew away.

Spill Response: Wear protective acid resistant slicker suit. If the spill is small a full face piece with cartridge for alkaline gases may be sufficient. Absorb liquid in inert absorbent material. Collect and store in DOT approved waste container.

Large Spills: Pump into plastic barrels. Absorb remainder with absorbent material. Keep neutralized material out of sewers, storm drains, surface water or oil.

Recommended disposal: Dispose in accordance with local, state and federal regulations.

DOT PROPER SHIPPING NAME: NOS Liquid